



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 16]

नई दिल्ली, शनिवार, अप्रैल 18, 1987 (चैत्र 28, 1909)

No. 16]

NEW DELHI, SATURDAY, APRIL 18, 1987 (CHAITRA 28, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III--खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 18th April 1987

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CORRIGENDA

1. In the Gazette of India, Part III, Section 2, dated 17-1-1987 under the heading "Complete Specification Accepted" on page No. 45

(i) in respect of Patent Application No. 75/Bom/1983 for Patent No. of Acceptance read "158749".

(ii) in respect of Patent Application No. 75/Bom/1983 In Claim-1 in line 5 for word "CAIL" read "COIL".

2. In the Gazette of India, Part III, Section 2, dated 24-1-1987 under the heading "Complete Specification Accepted" on pages No. 65 and 66.

(i) in respect of Patent Application No. 362/Bom/1983 for Patent No. of Acceptance read "158778".

(ii) in respect of Patent Application No. 19/Bom/1984,

in Claim-1, in line 6 for "S°-" read "S°".

(iii) in respect of Patent Application No. 34/Bom/1984 In Claim-1

(a) in line 5 for "SCREE" read "SCREEN".

(b) in line 6 and 7 for "SILICA GEL FOR ITS COLOUR THE SAID SILICA GEL POT 2 IS PROVIDED WITH" read "SILICA GEL GRAINS 4 PLACED INSIDE THE SAID SILICA GEL POT 2 IS PROVIDED WITH".

1. In the Gazette of India, Part III, Section 2, dated 31-1-1987 under the heading "Applications for patents filed in the Patent Office Branch at Todi Estate, 3rd Floor, Sun Mill Compound, Lower Parel (West), Bombay-400 013" on page No. 77

(i) in respect of Patent Application No. 309/Bom/86 in the title of invention for "SPARE" read "SPACE".

2. In the Gazette of India, Part III, Section 2, dated 31-1-1987 under the heading "Complete Specification Accepted" on page No. 86

(i) In respect of Patent No. of Acceptance "158831" for Patent Application No. "17/Bom/1985" read "127/Bom/1985".

(ii) in respect of Patent Application No. "76/Bom/1985" in the address of applicant and inventor for "MATRI MANDIR MANDIR SOCIETY" read "MATRI MANDIR SOCIETY".

(iii) in respect of Patent Application No. "87/Bom/1985" in the title of invention for "GAM" read "CAM".

REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent :—

Shri P. N. George Graham,
12, Sunkurama Street,
Madras-600 001.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214, ACHARYA JAGADISH BOSE ROAD
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 12th March 1987

205/Cal/87. W. Haking Enterprises Limited. Miniature 110 Camera.

206/Cal/87. Hoechst Aktiengesellschaft. N₁-substituted 1H-benzotriazole hydroxyethyl sulfone compounds, a process for their preparation and their use for the preparation of dyestuffs.

207/Cal/87. Hoechst Aktiengesellschaft. Water-soluble triphenioxazine compounds processes for their preparation and their use as dyestuffs.

208/Cal/87. MWB Messwandler-Bau Aktiengesellschaft. Combined high-voltage current and voltage transformer.

209/Cal/87. Centro Sviluppo Materiali SpA. Austenitic steel with improved high temperature strength and corrosion resistance.

The 13th March 1987

210/Cal/87. Unilever Plc. Process for preparing wicket-based catalysts. [Divisional dated 10th January, 1984].

211/Cal/87. (1) Amitava Dhar (2) Bhawani Sankar Tripathy (3) Dr. Bankim Bihari Ghosh. Gas carburetion system for utilising liquefied petroleum gas (LPG) as fuel to run spark ignition engine.

212/Cal/87. Haugesund Mek. Verkstedt A/S. A method for constructing huge modules, and a module fabricated by said method.

213/Cal/87. Degussa Aktiengesellschaft. A process for obtaining dried galactomannane.

ALTERATION OF DATE

156106.
(354/Cal/82)

Ante dated to 30th March, 1982.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 141-D.

159229

Int. Cl. : C 22 b 1/00.

METHOD OF PROCESSING CHROMITE ORES.

Applicant : METALLGESELLSCHAFT AKTIENGESSELLSCHAFT, OF REUTERWEG 14, D-6000 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. GURUDAS SAMANT.

Application No. 515/Cal/84 filed July 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method enriching chromite ore comprising the steps of treating chromite ore with solid carbonaceous reducing agents for a direct reduction of part of the iron oxide content to form sponge iron, oxidizing and leaching of the reduced material so as to transform the metallic iron content to iron oxides, and a separation of the iron oxides from the remaining material, characterized in that chromite ore having a particle size below 3 mm is charged to the direct reduction equipment, a ratio of C_{fix} to Fe in excess of 1 is adjusted, independence on the contents of Cr and Fe in the ore and the direct reduction equipment is operated at a reduction temperature in excess of 1100°C.

Compl. Specn. 12 pages.

Drg. Nil.

CLASS : 172-F.

159230

Int. Cl. : D 01 h 13/28; D 02 g 3/00.

A METHOD OF PRODUCING TWISTLESS YARN AND AN APPARATUS FOR PERFORMING THE METHOD.

Applicant : J. & P. COATS LIMITED, OF 155 ST. VINCENT STREET, GLASGOW, SCOTLAND.

Inventor : I. ALEXANDER SCOTT.

Application No. 136/Cal/82 filed February 4, 1982.

Convention dated 4th February, 1981 (81 03461) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of producing a substantially twistless yarn from at least two separate strands of thermoplastic strand material comprises the steps of treating at least one strand to cause it to have a shrinkage ratio lying in the range 12% to 18% at a temperature in excess of 180°C, subjecting the strands to a turbulent stream of fluid while feeding them forwardly at different rates of feed so that loops form on the strands and they become intermingled whereby they form an intermingled yarn, heating successive quanta of the intermingled yarn to a temperature in excess of 180°C while holding each quantum of intermingled yarn to a predetermined length and cooling each said quantum to a temperature below 100°C while the predetermined length is maintained.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS : 172-C4.

159231

Int. Cl. : D01h 5/00, 5/32, 5/46.

METHOD AND DRAFTING ARRANGEMENT FOR SPINNING MACHINES FOR PROCESSING A FIBER SLIVER.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventors : 1. GERHARD MANDL, 2. GIANCARLO MONDINI, 3. VIKTOR PIETRINI, 4. KURT WEBER, 5. RUDOLF WILDBOLZ.

Application No. 317/Cal/82 filed March 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

Method of processing a staple fiber sliver with a staple ranging from short to long staple fibres in a drafting arrangement for spinning machines, particularly for drawframes, in which the staple fiber sliver is subject to high draft in drafting steps comprising drafting zones, characterized in that, as the speed of the fiber sliver increases owing to the thinning of the fiber sliver during the drafting process, the direction of movement is deflected positively per drafting step in front of and/or within the drafting zone in such a manner, that the fiber sliver delivered (26) is subject, with respect to the input sliver (26), gradually to a total positive deflection of substantially a 90 degree angle and that per positive deflection the radial acceleration ($r \cdot \omega^2$) does not exceed a value of 400 m/Sec².

Compl. Specn. 23 pages.

Drgs. 6 sheets.

CLASS : 170-B.

159232

Int. Cl. : C 09 k 3/14.

IMPROVED METAL BONDED DIAMOND AGGREGATE ABRASIVE.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. STEPHEN CHARLES HAYDEN.

Application No. 612/Cal/82 filed May 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An improved metal bonded agglomerated abrasive having high grinding ratio characteristics comprising diamond particles held in a silver/copper alloy metal bond matrix having a known wetting agent for the diamond characterized by the improvement wherein the said aggregate is made of saw diamond particles milled to a size where the largest particles on an average have a size less than 75 microns.

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 130-F.

159233

Int. Cl. : C 22 b 23/00.

METHOD OF PRODUCING METALLIC COBALT FROM AN OXIDE-COBALT BASED MATERIAL.

Applicant : (1) PROIZVODSTVENNOE OBIEDINENIE PO PROEKTIROVANIJU, NALADKE, MODERNIZATSII I REMONTU ENERGETICHESKOGO OBOURODOVANIA "TSENTOENERGOTSIVETMET", OF IYGOVSKY, 5. JURY VLADIMIROVICH TSVETKOV, (2) INSTITUT METALLURGI IMENI A.A. BAIKOVA AKADEMII NAUK SSSR, OF LENINSKY PROSPEKT, 49, MOSCOW, USSR.

Inventors : 1. NIKOLAI NIKOLAEVICH RYKALIN, 2. VLADIMIR VLADIMIROVICH KOSTIN, 3. GUGO YANOVICH KONX, 4. ALBERT IVANOVICH DRUGOVSKY, 5. JURY VLADIMIROVICH TSVETKOV, 6. SERGEI ALEXEEVICH PANFILOV, 7. VALERY NIKOLAEVICH SMETANIN, 8. VLADIMIR ALEXEEVICH BLINOV, 9. TATYANA NIKOLAEVNA BRATENKOVA.

Application No. 616/Cal/82 filed May 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing metallic cobalt from an oxide-cobalt based material such as cobalt oxides, comprising producing a plasma jet by passing a reducing gas such as natural gas, methane through a zone of electric discharge; heating the oxide cobalt based material by the plasma jet to a temperature of 1450°C to 1580°C at which metallic cobalt is melted down and cobalt oxides are reduced to metal; the reduction of cobalt oxides to metallic cobalt is effected in the presence of the reducing gas fed in an amount ranging from 1.15 to 1.5 times that of the reducing gas required in accordance with stoichiometry; subjecting the resultant melt of metallic cobalt to desulphurization by known method and effecting its refinement by removing gases dissolved in the melt by a method such as herein described.

Compl. Specn. 15 pages.

Drg. 1 sheet.

CLASS : 163-D.

159234

Int. Cl. : G 01 d 21/00.

APPARATUS FOR THE DETECTION OF ANOMALIES IN ROTATING MEMBERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT CHARLES MILLER, 2. WALTER JAMES CARR, JR.

Application No. 837/Cal/82 filed July 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Apparatus for detecting anomalies in an electrically conducting rotating member, comprising means contiguous said rotating member operable to establish a circumferential alternating eddy current therein, and a corresponding external magnetic field, means for providing said eddy current establishing means with an AC excitation current having a frequency f , characterized in that the apparatus includes means for rotating said rotating member at a predetermined rate, sensing means contiguous said rotating member for detecting any changes in said magnetic field caused by said anomalies at a predetermined number of degree locations around said rotating member and operable to provide an output signal indicative thereof, and signal processing means operable in response to said output signal to provide an indication of anomaly and anomaly location within said rotating member.

Compl. Specn. 24 pages.

Drgs. 14 sheets.

CLASS : 31-C.

159235

Int. Cl. : H 01 c 13/00.

SURGE ARRESTER WITH BY-PASS GAP.

Applicant : HITACHI, LTD., OF 5-1, MARUNOUCHI-1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. AKIO MIZUKOSHI, 2. KATUJI SHINDO, 3. YOSHI AKATSU, 4. JUN OZAWA.

Application No. 864/Cal/82 filed July 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A surge arrester with a by-pass gap comprising :

a first non-linear resistor block;

a second non-linear resistor block electrically connected in series with said first non-linear resistor block;

a by-pass gap electrically connected in parallel with said second non-linear resistor block; and

a linear resistor electrically connected in parallel with at least one of said first and second non-linear resistor blocks.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 34-B & C.

159236

Int. Cl. : C 08 b 15/06.

A PROCESS FOR PRODUCING CELLULOSE CARBAMATE.

Applicant : NESTE OY OF KEILANIEMI 02150 ESPOO 15, FINLAND.

Inventors : 1. OLLI TURUNEN, 2. LEO MANDELL, 3. VIDAR EKLUND, 4. KURT EKMAN, 5. JOUKO HUTTUNEN.

Application No. 6/Cal/83 filed January 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for producing cellulose carbamate from cellulose and urea, characterised by exposing cellulose in web form to a radiation dose of 0.5—10 Hrad, thereby causing depolymerization of said cellulose, and reacting the thus depolymerised cellulose with urea at a temperature between 110—220°C to thereby form cellulose carbamate.

Compl. Specn. 18 pages.

Drg. Nil.

CLASS : 90-F & I.

159237

Int. Cl. : C 03 b 13/00, 27/00, 35/00.

AN IMPROVED APPARATUS FOR HANDLING HEATED GLASS SHEETS.

Applicant & Inventor : RONALD A. McMASTER OF 420 WATER STREET, WOODVILLE, OHIO 43469, UNITED STATES OF AMERICA.

Application No. 12/Cal/83 filed January 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

An improved apparatus for handling heated glass sheets, said apparatus including a generally rigid member, the improvement comprising : a support on the rigid member having an outer surface of aromatic polyamide fibres which are stable at a sufficiently high temperature to engage glass sheets heated to a temperature range of about 600 to 650 degrees Centigrade.

Compl. Specn. 25 pages.

Drgs. 3 sheets.

CLASS : 194-B & C.

159238.

Int. Cl. : H 05 b 33/00.

ELECTRICAL SAFETY POWER SUPPLY ARRANGEMENT FOR LUMINESCENT DISCHARGE.

Applicant : CENTRE STEPHANOIS DE RECHERCHES MECANIHQUES HYDROMECHANIQUE ET PROTECTION, OF RUE BENOIT FOURNEYRON, ANDREZIEUX BOUTHEON, OIRE, FRANCE.

Inventor : 1. JEAN-PAUL TERRAT.

Application No. 17/Cal/83 filed January 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An electrical safety power supply arrangement for luminescent discharge comprising :

power supply means;

a resistance means interconnected in series with said power supply means;

discharge means interconnected in series with said power supply means and said resistance means; and

switch means interconnected in series with said power supply means and said discharge means and in parallel with said resistance means, said switch means being selectively operable in response to the intensity of the current delivered by said power means to selectively control the current through said resistance means.

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 128-A & K.

159239

Int. Cl. : A 61 m 31/00.

A REPEATING SCISSORS-TYPE MEDICAL INSTRUMENT FOR APPLYING A PLURALITY OF LIGATING CLIPS SERIATIM.

Applicant : ETHICON, INC., LOCATED IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : I. KONSTANTIN IVANOV.

Application No. 175/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A repeating scissors-type medical instrument for applying a plurality of ligating clips seriatim about tissue wherein each said clip is initially provided in an open state, each said open clip comprising first and second legs joined at their proximal ends by a resilient hinge and being spaced apart at their distal ends with said legs having latch means at said distal ends for holding said clip closed in clamping engagement about said tissue when said legs are squeezed together, said instrument comprising :

First and second jaws disposed in confronting relationship and mounted for pivotal movement away from each other into an opened position to receive one of said clips and toward each other into a closed position for closing and latching said one clip;

first and second scissors-type handles for operating said jaws, said scissors-type handles being mounted to said instrument for pivoting toward each other from an open position wherein said jaws can be opened to a closed position for effecting movement of said jaws to said closed position;

a magazine defining a channel for receiving said open clips in a single row with the clips arranged in nesting relationship with the hinge of one clip being received between the distal ends of the legs of a next rearwardly adjacent clip, said magazine disposed on said instrument to feed said clips forwardly to said jaws with the hinge of each clip trailing the distal ends of the clip legs;

a pusher bar slidably carried on said instrument and aligned to enter into one end of said magazine and push forwardly against the last clip in the magazine, said bar defining a plurality of teeth along a portion of the length of the bar;

pusher bar biasing means for biasing said pusher bar forwardly into said magazine and against the last clip in said magazine; and

a toothed pawl for engaging said teeth on said pusher bar, said pawl being mounted to one of said handles forwardly of the region of engagement between said pusher bar teeth and said pawl so as to accommodate pivoting movement whereby movement of said handles toward each other causes the pawl to engage said pusher bar and pivot in a first direction to disengage said pusher bar from the last clip in said magazine and whereby movement of said handles away from each other permits the pawl to be pivoted in a second direction by the movement of said pusher bar forwardly on said instrument against the last clip in the row in said magazine under the influence of said pusher bar biasing means to position the front clip in the row at the opened jaws.

Compl. Specn. 30 pages.

Drgs. 3 sheets.

CLASS : 5 D.

159240

Int. Cl. : A 01 h 31/00.

"AN APPARATUS FOR INTERMITTENTLY APPLYING AN AQUEOUS ATOMIZED MIST COMPOSITION TO PLANTS".

Applicant : STEVEN M. SCHORR of 3020 Third Street, Boulder, Colorado, U.S.A. 80203 and RICHARD J. STONER, Jr. of 13580 N. 87th Street, Longmont, Colorado U. S. A. 80501.

Inventors : STEVEN M. SCHORR. RICHARD J. STONER.

Application No. 10/Mas/84 filed January 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

An apparatus for intermittently applying an aqueous atomized mist composition to plants, comprises an enclosed chamber, supporting members for plant cuttings with a propagation portion thereof extending into said chamber, a spraying device comprising a supply of water under pressure, a water flow control device connected to said supply, a distributing manifold including a plurality of mist forming nozzles positioned in said chamber, a source of plant growth promoting composition, a suction venturi connected between said water supply and said distributing manifold and further connected to said source of plant growth promoting composition, a water draining device connected to said distributing manifold and said venturi and an actuating device coupled to said water flow control device and said draining device and adapted to actuate same in an intermittent timed sequence for periodically stopping flow of said water, draining said system and thereafter initiating flow of said water and said growth composition and introducing said aqueous growth composition into said distributing manifold and thence into said chamber as a fine mist for application to said plants.

Compl. Specn. 16 pages.

Drgs. 3 sheets.

CLASS : 107 K.

159241

Int. Cl. : F 011 1/00, 31/00.

"VALVE ARM CHAMBER APPARATUS FOR DIESEL ENGINE".

Applicant : YANMAR DIESEL ENGINE CO., LTD., a Japanese corporation of 1-32, Chayamachi, Kita-ku, Osaka-shi, Osaka-fu, Japan.

Inventors : 1. KOICHI AMEMORI. 2. TOSHIHIKO KAWABE. 3. MANABU MIYAZAKI.

Application No. 21/Mas/84 filed January 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A valve arm chamber apparatus for diesel engine comprising a common supporting member which supports the cam shaft, disposed above the intake and exhaust valves of said engine, a fuel valve arm shaft for supporting fuel valve arms and intake and exhaust valve arm shafts for supporting said intake and exhaust valve arms.

Compl. Specn. 15 pages.

Drgs. 4 sheets.

CLASS : 80 C.

159242

Int. Cl. : B 01 d 25/12.

"FILTER PRESS COMPRISING MEANS FOR FILTERING MUD".

Applicant : SOCIETE L. CHOQUENET (S.A.), 19 rue Charles Brunette, B.P. No. 43 02301 Chauny, Cedex, France, a "Societe Anonyme" under french law.

Inventors : 1. MONSIEUR PIERRE CHOQUENET,
2. MONSIEUR JEAN CLAUDE CARLE.

Application No. 33/Mas/84 filed 20th January 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

Filter press comprising two fixed supports one below the other, interconnected by a frame formed of at least two parallel horizontal rails on which a plurality of vertical plates are mounted, where between filter cloths extend, one of said fixed supports having a movable head for pressing said plates against one another during the step of filtration, and means for separating said plates from one another during the step of clearing, with the filter being of the type comprising for each plate at least one filter cloth mounted movably relative to the plate between a filtering position and a clearing position in which the filter portion is disengaged outwardly for the extraction of the filter cake; wherein each plate comprises a frame controlling the displacement of the extraction means for the filter cakes between a filtering position and a clearing position, said frame being formed of at least two posts mounted slidably in guide means provided at the lateral edges of each plate and which carry at their free ends cross-pieces, one of which having two lateral fingers co-operating with a control bar, actuated by control means adapted for displacing the unit of the filter frames.

Compl. Specn. 15 pages.

Drgs. 3 sheets.

CLASS : 173-B.

159243

Int. Cl. : B 05 b 1/00.

A SPRAY DRYER.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, OF HENKELSTRASSE 67, 4000 DUSSELDORF-HOLTHAUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : RUDOLF LOFFELMANN.

Application No. 39/Mas/84 filed January 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A spray dryer comprising a drying container with a spray element for introducing the material to be dried into the container, means for injecting a heated gas into the container to separate and remove the moisture present in the material to be dried and a separator for separating the moisture-free material from the gas inside the container, characterized in that the separator consists essentially of porous filter elements uniformly distributed over a

surface, the entire flow cross-section of the gas laden with the material to be dried within the container being available as the impingement cross-section of those filter elements.

Compl. Specn. 13 pages.

Drgs. 2 sheets

CLASS : 128-G.

159244

Int. Cl. : A 61 f 1/22.

"AN IMPROVED HEART VALVE ASSEMBLY".

Applicant : SREE CHITRA TRIUNAL INSTITUTE FOR MEDICAL SCIENCE & TECHNOLOGY, TRIVANDRUM-695 011, Kerala State, India

Inventor : Gopichettyalayam Subbaratnam Bhuvaneshwar.

Application No. 46/Mas/84 filed 30th January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

An improved heart valve assembly comprising sewing ring component valve housing component and disc occluder said disc occluder being held tiltably on supports within the enclosed space of the valve housing component, said valve housing component having a grooved ring portion externally and having said sewing ring component accommodated on same, said disc occluder being made of poly-acytol homopolymer, synthetic sapphire, synthetic ruby, corundum or ceramics (alumina, tungsten carbide, titanium carbide or their mixtures) or materials having a coating of one or more of these said ceramic materials.

Compl. Specn. 10 pages

Drg. 1 sheet.

CLASS : 70 B.

159245

Int. Cl. : B 01 k 3/02, 3/06.

A PROCESS FOR THE PREPARATION OF A CATALYTICALLY ACTIVE ELECTRODE MATERIAL FOR OXYGEN.

Applicant : HOECHST AKTIENGESellschaft, D-6230 FRANKFURT AM MAIN 80 FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventor : RUDOLF STAAB.

Application No. 47/Mas/84 filed 30th January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A process for the preparation of a catalytically active electrode material such as herein described for oxygen-consuming electrodes, in which metallic silver is deposited by reduction from silver salt solution, which comprises mixing :

- (a) an aqueous dispersion of a hydrophobic organic polymer such as herein described,
- (b) a silver salt solution such as herein described, and
- (c) a reducing agent for silver (I) ions such as herein described, at a temperature of 0 to 50°C and during this maintaining a pH of 4 to 11 at which the dispersion employed is stable and the silver salt is reduced.

Compl. Specn. 18 pages.

Drg. Nil.

CLASS : 32 E, 152 E.

159246

Int. Cl. : C 08 g 37/18.

A METHOD OF CURING AN EPOXY RESIN CONTAINING TWO OR MORE 1, 2-EPOXIDE GROUPS PER MOLECULE.

Applicant : UNION CARBIDE CORPORATION : Manufactures a Corporation organised under the laws of the State of New York, located at : Old Ridgebury Road, Danbury, State of Connecticut 06817, United States of America.

Application No. 48/Mas/84 filed 30 January 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

30 Claims

A method of curing an epoxy resin containing two or more 1, 2-epoxide groups per molecule comprising reacting the epoxy resin with a diamine hardener represented by the general formulae shown in figs. 1 or 2 of the

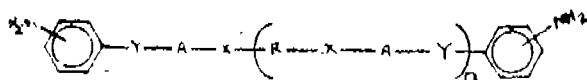


Fig. 1

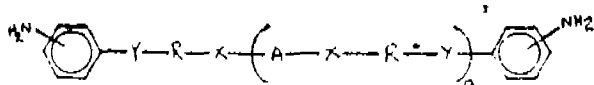


Fig. 2

accompanying drawings or mixtures thereof, wherein X is O, S, SO or SO₂, Y is O or S, A is the residuum of a dihalobenzenoid compound, R is the residuum of a dihydric phenol and a is 0.05 to 20.

Compl. Specn. 42 pages.

Drgs. 5 sheets.

CLASS : 13 A.

159247

Int. Cl. : B 65 b 5/02.

"PRESS FOR HEAT-SEALING AND SEPARATING SACHETS OF HEAT-SEALABLE PLASTICS MATERIAL".

Applicant : Societe dite : PREPAC, of 62, rue pasteur, 94800 Villejulf (Val-de-Marne), France.

Inventor : ROLAND DE LA POYPE.

Application No. 50/Mas/84 filed 31 January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A press for heat-sealing and separating sachets made from a film of heat-sealable plastics material, comprising two jaws having respective faces in opposed relationship, a flexible bearing surface on one of said jaw faces, and heat sealing and separation means on the other of said jaw faces comprising two spaced parallel heat-sealing electrodes connected to a continuous supply of electric current and a separator wire connected to a source of electric current only during the closure of the press extending between and spaced from said electrodes.

Compl. Specn. 5 pages,

Drgs. 2 sheets.

CLASS : 129 G & 52 A.

159248

Int. Cl. : B 23 d 21/04.

APPARATUS FOR OBTAINING A CUT TUBE END.

Applicant : PONT-A-MOUSSON S.A., 91, Evenue de la Liberation, 54000 Nancy, France a Company organised and existing under the laws of France.

Inventor : Claude FUMINIER, 63 rue du Bois le Pretre, 54700 Pont-A-Moussen, France, of French Nationality.

Application No. 51/Mas/84 filed 31st January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

An apparatus for obtaining a cut end (5) from a tubular element (T), such as a cast iron pipe comprising : a separator roller (E) rotatably mounted around an axis (Y-Y) parallel to a longitudinal axis (X-X) of the tubular element to be cut on a support (16, 13) movable in a radial direction (DE) towards said longitudinal axis in a plane (PE) perpendicular thereto, said plane being median in relation to sides of a circular groove (3) made by a cutting tool (2, 19) and passing through the middle of a cutting edge of the tool, said separator roller having a circular wedge profile (8) with an isosceles trapezoid cross-section having a cylindrical central band (30) bordered by two sloping sides (9a, 9b), said wedge being proportioned to penetrate into the circular groove formed in the wall of tubular element during the penetration of cutting tool, in a radial direction (DR) such that its sloping sides exert lateral separating pressure on the exterior edges of the groove, said roller being rotatably mounted in lateral arms (12) of a yoke (13) for supporting of the separator roller an axial play (j) being provided between each cylindrical element and an adjacent yoke arm to enable the automatic centering of the roller in the groove and the axial movement of the roller along its axis (Y-Y) to separate the cut end.

Compl. Specn. 15 pages.

Drgs. 4 sheets.

CLASS : 65 B 1 & B 2.

159249

Int. Cl. : H 01 f 27/10, 27/28.

"STATIC INDUCTION APPARATUS".

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, a company organised and existing under the laws of Japan, of 2-3, Marunouchi 2-chome, Chiyodaku, Tokyo, Japan.

Inventor : KIYOSHI TAMURA.

Application No. 52/Mas/84 filed January 31, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A static induction apparatus comprising an iron core having at least one coil wound around a leg of the said iron core and cooled by a condensable refrigerant sprinkled thereon, said coil including a plurality of pancake coil sections axially stacked on one another to form a predetermined gap between each pair of adjacent coil sections, and a plurality of guide members radially disposed at predetermined equal angular intervals on the surface of each of said coil sections except for the uppermost coil section so that said guide members disposed on alternate ones of said coil section radially protrude beyond one of an outer and an inner peripheral surface thereof and said guide member disposed on the remaining coil sections radially

protrude beyond the other of said outer and inner peripheral surfaces thereof, each of said guide members receiving drops of said refrigerant to introduce the received refrigerant into said predetermined gap between an associated pair of adjacent coil sections, and a plurality of spacers in the form of rectangular strips are radially disposed at predetermined equal angular intervals between each pair of adjacent coil sections to maintain said predetermined gap, spacers alternating the associated guide members.

Compl. Specn. 13 pages.

Drg. 1 sheet.

CLASS : 62C₁

159250

Int. Cl. : DO6p 1/00.

"A PROCESS FOR DYEING FILAMENTS OF WET SPUN ACRYLONITRILE COPOLYMERS".

Applicant : SIR PADAMPAT RESEARCH CENTRE, A Division of J. K. Synthetice Ltd., Jaykaynagar, Kota-324 003, Rajasthan, India.

Inventor : KESHAV VINAYAK DATYE, ASHOK AMRUT VAIDYA, GANGA PRASAD AND PURSHOTAM SHARMA.

Application for Patent No. 25/Del/1983 filed on 17th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the dyeing of filaments of wet spun acrylonitrile copolymers characterised in that the step of dyeing is carried out in a spin finish bath containing known spin finish agents such as herein described in addition to cationic dye or mixtures thereof, such as herein described, the wet filament material treated with the dye being thereafter subjected to the step of drying.

Compl. Specn. 21 pages.

CLASS : 187H & 206E.

159151

Int. Cl. : HO4r 3/12.

"COMMUNICATIONS APPARATUS".

Applicant : RACAL ACOUSTICS LIMITED, a British Company, of Beresford Avenue, Wembley, Middlesex, HA0 1RU.

Inventor : PATRICK VINCENT FRANCIS CLOUGH AND NATIVIDADE ALBERT LOBO.

Application for Patent No. 46/Del/1983 filed on 25th January, 1983.

Convention date of 27th January, 1982/8202291/(Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

Communications apparatus comprising at least two microphones each having a good near field response and a poor far field response, one of which is positioned to receive speech and or each of the other microphones is positioned close to the one microphone but sufficiently spaced or positioned relative thereto that it receives no or substantially no speech, the outputs of the microphones being connected to electronic active noise reducing circuitry for producing an output signal having an enhanced speech to noise ratio.

Compl. Specn. 16 pages.

Drgs. 2 sheets.

CLASS : 63 D.

159252

Int. Cl. : HO2k 5/00.

"AN END CASE ASSEMBLY FOR A TYPE II MOTOR".

Applicant : DLF UNIVERSAL LIMITED, of 21-22 Narindra Place, Parliament Street, New Delhi-110 001, India, an Indian company.

Inventors : MADUR SRIVASARAGHVAN VARADARAJAN & KAVI PRASAD ATMARAM GOEL".

Application for Patent No. 101/Del/83 filed on 17th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An end case assembly for a type II motor which has a stator and a rotor mounted on a rotor shaft, said rotor shaft adapted to be seated and rotatably supported on said end case assembly through a bearing, a tube being sealed to oil catchers by a seal provided for introducing a lubricant within the end case assembly said oil catchers being an inner oil catcher secured to the inner face of the end case assembly having a hole at its central portion for the shaft of the rotor to pass there through and an external oil catcher secured to the outer face of the end case assembly, characterised in that the end case assembly has a spherical outwardly directed projection at its central portion for the said bearing to seat therein the said bearing having a curved surface at one end or face which corresponds to the curved surface of the spherical projection, the said curved surface of the bearing is seated against the inner surface of the said spherical projection by a force applying member force fitted to the said bearing at the opposite end.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 107 J

159253

Int. Cl. : FO1 27/00.

"MECHANICAL STARTER FOR INTERNAL COMBUSTION ENGINES".

Applicant : A.M.S.E.A. AZIENDA MECCANICA STAMPAGGI E ATTREZZATURE S.p.A., of Corso Susa, 20 Casaleto Turin, Italy, an Italian company.

Inventors : ERMANNO FUGAZZA & GIUSEPPE DAL POZ.

Application for Patent No. 108/Del/83 filed on 18th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A mechanical starter for internal combustion engine, comprising a pair of disc shaped elements coaxial and rotatable with respect to each other and deformable elastic bodies interposed between said disc shaped elements, characterised in that said deformable elastic bodies are at least two strips of elastomeric material whose axes lie on a same plane, said strips of elastomeric material having one end fixed to one said disc shaped element and the other end fixed to the other said disc shaped element one of said disc shaped elements being provided with small rollers for supporting and guiding said strips of elastomeric material, means for mutual relation of said disc shaped elements being provided between said disc shaped elements so as to deform said strips of elastomeric material and means for connecting one of said disc shaped elements to the shaft of an internal combustion engine being provided between said disc shaped elements and said shaft of the internal combustion engine.

Compl. Specn. 17 pages.

Drgs. 4 sheets.

CLASS : 25 A B.

159254

4Claims

Int. Cl. : CO4b-35/02.

"PROCESS FOR THE MANUFACTURE OF REFRACTORY ELEMENTS".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., a Netherlands company of Carel van Bylandtlaan 30, The Hague, The Netherlands.

Inventors : ISAM MAKANSI & JOHN MALCOLM GREEN.

Application for Patent No. 118/Del/1983 filed on 23rd February, 1983.

Convention date 25th February, 1982/8205580/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A process for the manufacture of refractory elements which comprises mixing in any known manner, a refractory composition containing a refractory material of this kind such as herein described and a binder and moulding in any known manner, the refractory elements from the refractory composition, characterised in that the binder comprises components of a liquid binder composition which is curable at a temperature in the range 0 to 40°C, and mixing of the refractory composition, moulding of the refractory elements and curing of the refractory elements are effected within the temperature range 0 to 40°C.

Compl. Specn. 16 pages.

CLASS : 123 [I(4)].

159255

Int. Cl. : CO5f 9/04.

"A COMPOSTER FOR PREPARING A COMPOST".

Applicant : S. V. PATWARDHAN, an Indian national of Indian Institute of Technology, Hauz Khas, New Delhi-110 016, India.

Inventor : Sadashiv Vasudev Patwardhan.

Application for Patent No. 134/Del/83 filed on 4th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A composter for preparation of a compost comprising an elongate housing supported on a stand having a rotatable shaft extending therein, characterized in that said housing is supported on said stand along an inclination, an inlet provided at one end of said housing for introduction of the substrate, an outlet is provided along the base and at the opposite end of said housing for discharge of the compost, said shaft having a plurality of blades mounted in a spaced relationship on said shaft, said shaft comprising a hollow shaft is provided with a plurality of spaced openings through which a fluid is introduced within said housing.

Compl. Specn. 7 pages.

Dr. 1 sheet.

CLASS : 88DE [XXXII(3)].

159256

Int. Cl. : F23k-5/00.

F23g-1/00.

"A BIOGAS DIGESTER".

Applicant : Sadashiv Vasudev Patwardhan.

Inventor : Patwardhan Sadashiv Vasudev.

Application for Patent No. 135/Del/83 filed on 4th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2-27GI/87

A biogas digester comprising a housing having a hood of a dome or conical shape, an inlet with said housing for introduction of the substrate, a gas outlet provided in said hood for discharge of the gas characterized in that said housing and hood is a unitary structure, a first outlet provided with said housing for discharge of the effluent and a second outlet disposed near the base of said housing for discharge of the slurry, said first outlet is provided at a height above that of said second outlet.

Compl. Specn. 8 pages.

Dr. 1 sheet.

CLASS : 129 G.

159257

Int. Cl. : B21b 9/00.

"METHOD FOR THE MANUFACTURE OF A CONICAL TUBULAR MEMBER, AND A MEMBER MANUFACTURED ACCORDING TO THE METHOD".

Applicant : SVEN RUNO VILHELM GEBELIUS, a Swedish citizen of Drottningholmsvagen 195, S-161 36 Bromma, Sweden.

Inventor : SVEN RUNO VILHELM GEBELIUS.

Application for Patent No. 192/Del/1983 filed on 24th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A method for the manufacture of a conical tubular member comprising

forming a tubular member having a substantially non-tapered configuration along its length and at least one profiled groove extending longitudinally along the length of the tubular member and inwardly with respect to the surface thereof :

placing said tubular member in at least partial surrounding relationship onto a conical mandrel having at least one groove in the outer surface extending along the length thereof corresponding to said profiled groove in said tubular member to receive said profiled groove therein

maintaining said tubular member in substantially fixed position on said mandrel : and

applying a fluid pressure force to the exterior of said tubular member to compress said tubular member onto said mandrel and said at least one profiled groove into said at least one groove in the mandrel to conform said tubular member to the conical shape of said mandrel by changing the cross-section of said at least one profiled groove as it is pressed into said at least one groove in the mandrel.

A conical tubular member wherein manufactured by the method as claimed 1 to 6 comprising :

an elongated conical tubular member;

at least one profiled groove extending longitudinally along said tubular member and projecting inwardly from the surface thereof; and

said at least one profiled groove has a continuously varying cross-sectional configuration in the longitudinal direction so that the inward projection thereof is greater at the smaller portion of the tubular member than at the larger portion thereof.

Compl. Specn. 16 pages.

Dr. 3 sheets.

CLASS : 98 G

159258

OPPOSITION PROCEEDINGS

Int. Cl. : F 28 d 19/02.

"AN IMPROVED FLUIDIZED BED HEAT EXCHANGER".

Applicant : FOSTER WHEELER POWER PRODUCTS LIMITED, a British company of Greater London House, P. O. Box 160 Hampstead Road, London NW1 7QN, England.

Inventor : ROBERT DOUGLAS STEWART and THOMAS EVERETT TAYLOR.

Application for Patent No. 202/Del/1983 filed on 30th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A fluidised bed heat exchanger comprising an enclosure (6), a perforated support plate (20) within said enclosure supporting a bed (18) of particulate material which includes a fuel material and an adsorbent material, means (22, 24, 26) including an air plenum chamber (22) for introducing air through perforations (21) in the plate (20) to fluidise said bed, means (28) for starting combustion in said bed by which relatively heavy fuel ash particles are formed, means (30, 32, 34) for introducing particulate material to said bed, and a drain (43) for discharging spent particulate material from said bed, characterised in that said drain (43) comprises a substantially vertical tubular means (44, 46) which extends through the air plenum chamber (22) and through the perforated plate (20) in a perforated region thereof so as to define an outlet from the bed for particulate material, said tubular means (44, 46) including means (68, 70, 78, 80, 88) for providing a classifying flow of air there through and into said bed such as to produce within said bed at said outlet and coaxially with said drain a substantially vertical, generally conical, region of low density whereby said relatively heavy fuel ash particles migrate toward the said low density region and sink into the drain whilst the particles of said adsorbent material are retained within the bed.

Compl. Specn. 17 pages.

Drgs 2 sheets.

CLASS : 160D.

159259

Int. Cl. : B 60g 11/00.

"A LEAF SPRING ASSEMBLY".

Applicant : GKN TECHNOLOGY LIMITED a British company of Group Technological Centre, Birmingham New Road, Wolverhampton, West Midlands, WV4 6BW, United Kingdom.

Inventor : BARRY JOHN MARSH.

Application for Patent No. 210/Del/1983 filed on 31st March, 1983.

Convention date on 21-4-1982/8211553/(U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A leaf spring assembly comprising a leaf spring of composite material, clamping means, and an axle secured to the spring by said clamping means, characterised by a locating element having a head portion extending into a depression in said spring, said head portion and depression having shallow sloping walls, and a body portion co-operating with said axle to determine the position of said axle relative to said spring.

Compl. Specn. 11 pages.

Drgs. 2 sheets.

(1)

An opposition has been entered by C.S.I.R. to the grant of a patent on application No. 151998 made by Dalmia Institute of Scientific & Industrial Research and Orissa Cement Ltd. has been dismissed and ordered that a patent to be sealed.

(2)

An opposition has been entered by M/s. Khaitan (India) Limited to grant of a patent on application No. 158082 (451/Del/82) dated 16th June 1982 made by The Jay Engineering Works Ltd.

(3)

The application for Patent No. 155026 made by M/s. N. V. BEKAERT, in respect of which opposition was entered by M/s. Lax Wire Products Private Ltd., as notified in Gazette of India, Part III, Section 2 dated 5th October 1985, has been treated as withdrawn.

(4)

An opposition has been entered by M/s. Bajaj Auto Limited to the grant of a patent on application No. 158000 (481/Del/82) dated the 28th June, 1982 made by Piaggio & C. S. P. A.

(5)

An opposition has been entered by M/s. Autofield Engineers Private Limited, Pune, on Patent Application No. 158168 made by M/s. Motor Industries Company Limited, Bangalore.

PATENTS SEALED

154064	155240	157099	157218	157220	157278	157287
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RENEWAL FEES PAID

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156373	156385	156434	156458	156526	156536	156628
156631	156723	156886	156909	157277.		

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157510. Sharp Kabushiki Kaisha, a Japanese Company, of 22-22 Nagaikecho, Abeno-ku, Osaka, Japan. an "Air Conditioner". 7th October, 1986.

Class 1. Nos. 157640, 157641, 157642, 157643. Bharat Industries, Sardar V. P. Road, Jamta Garden Chowk, Rajkot-360 002, Gujarat State, India, an Indian Partnership Firm. "Knife". 6th November, 1986.

Class 1. No. 157680. Star Metal Fabricators (a registered Indian Partnership concern), Saki Vihar Road, Saki Naka, Near State Bank, Bombay-400 072, Maharashtra, India. "Barbecue". 19th November, 1986.

Class 1. No. 157750. Arpita Gifts, 23, Sethi Industrial Estate, 10-E, Suren Road, Andheri (East), Bombay-400 093, Maharashtra, India. Indian Sole Proprietary firm. "Tongue". 9th December, 1986.

Class 3. No. 157625. Shivem Enterprises, an Indian registered Partnership firm of 74, Krishna Nagar, Safdarjung Enclave, New Delhi-110029, "Intercom Set". 4th November, 1986.

Class 3. No. 157774. Ali Zitzmann Gmbh & Co., of 14, Ernst-Abbe-Strasse, D-6980 Wertheim, (Federal Republic of Germany). "Insulated Flask". 12th December, 1986.

Class 4. No. 157771. Vinicola Private Limited, 248, Borda, Margao-Goa-403 602 (Union Territory), India, a Private Limited company incorporated under the Indian Companies Act. "Bottle". 12th December, 1986.

Class 4. No. 157775. Ali Zitzmann Gmbh & Co., of 14, Ernst-Abbe-Strasse, D-6980 Wertheim, (Federal Republic of Germany). "Insulated Flask". 12th December, 1986.

Extn. of Copyright for the Second period of five years.

Nos. 151155, 151156, 151157, 155029. Class-1.

Nos. 151403, 151296. Class-3.

Extn. of Copyright for the Third period of five years.

Nos. 144796, 144797, 144981, 144850, 144357, 144358, 145375, 155029. Class-1.

Nos. 145055, 144533, 144534, 144851, 144643. Class-3.

Nos. 144759, 144758. Class-5.

NAME INDEX FOR THE APPLICANT OF PATENT FOR THE MONTH OF JULY, 1986 (Nos. 489/Cal/86 to 585/Cal/86, 500/Mas/86 to 616/Mas/86, 574/Del/86 to 699/Del/86 and 180/Bom/86 to 214/Bom/86.

Name & Appln. No.

"A"

AE PLC.—579/Mas/86.

AMC-International Alfa Metalcraft Corporation AG.—492/Cal/86.

Aerospatiale Societo Nationale Industrielle.—635/Del/86, 636/Del/86, 637/Del/86.

Alcan International Ltd.—623/Del/86.

Alchemic Research Centre.—180/Bom/86.

Allied Corporation.—676/Del/86.

Aluminium Pechiney.—490/Cal/86, 570/Cal/86, 574/Cal/86, 578/Mas/86.

American Cyanamid Company.—573/Cal/86.

Amoco Corporation.—628/Del/86.

Angelo Guala S.p.A.—550/Mas/86.

Name & Appln. No.

Antony, K. M.—588/Mas/86.

Antony, M.—588/Mas/86.

Apple Computer, Inc.—587/Del/86.

Apricot S. A.—561/Cal/86.

Apsley Metals Limited.—654/Del/86.

Asar, H. D.—199/Bom/86.

Atlas Air Australia Pty. Limited.—541/Mas/86, 542/Mas/86, 543/Mas/86.

Axle Plan Corporation.—589/Mas/86.

Azmi, R. T. (Mrs).—196/Bom/86.

"B"

BBC Brown, Boveri & Company Limited.—587/Mas/86, 604/Mas/86.

B. F. Goodrich Company, The.—665/Del/86, 666/Del/86.

B P Chemicals Limited.—591/Del/86, 631/Del/86, 667/Del/86, 688/Del/86.

Babcock & Wilcox Company, The.—545/Cal/86.

Barve, Y. S.—193/Bom/86.

Beale, D. G.—660/Del/86.

Belorussky Politeknicheskyy Institut.—538/Cal/86.

Bera Anstalt of Aeulcnstrasse.—536/Cal/86.

Bharat Heavy Electricals Limited.—627/Del/86.

Bhatt, J. V.—200/Bom/86., 202/Bom/86.

Biogen, N. V.—567/Cal/86.

Board of the Rubber Research Institute of Malaysia, The.—689/Del/86.

Bracker AG.—592/Del/86.

Brown, Boveri & Cie AG.—531/Cal/86.

Budd Company, The.—504/Cal/86.

"C"

CMC Limited.—516/Mas/86.

Cassella Aktiengesellschaft.—613/Mas/86.

Champion Spark Plug Europe S.A.—683/Del/86.

Charbonnages De France.—546/Mas/86, 547/Mas/86.

Charters, J. D.—660/Del/86.

Chaurasia, B. S.—643/Del/86.

Chaurasia, U. S.—643/Del/86.

Ciba-Geigy A.G.—675/Del/86.

Cogent Limited.—525/Mas/86.

Colgate-Palmolive Company.—588/Del/86, 589/Del/86, 606/Del/86, 609/Del/86, 629/Del/86, 670/Del/86, 671/Del/86, 672/Del/86, 673/Del/86, 674/Del/86.

Color Technologies, Inc.—696/Del/86.

Colortech Inc.—510/Cal/86.

Combustion Engineering, Inc.—528/Cal/86.

Continental Gummi-Werke Aktiengesellschaft.—556/Mas/86, 611/Mas/86.

Corning Glass Works.—615/Mas/86.

Council of Scientific and Industrial Research.—580/Del/86, 590/Del/86, 603/Del/86, 604/Del/86, 605/Del/86, 638/Del/86.

Council of Scientific and Industrial Research.—662/Del/86, 663/Del/86, 664/Del/86, 677/Del/86.

Name & Appln. No.

Crompton Greaves Limited.—189/Bom/86.

Cross Company, The.—556/Cal/86.

"D"

Dainippon Ink and Chemicals, Inc.—582/Mas/86.

Dana Corporation.—523/Mas/86.

Degussa Aktiengesellschaft.—536/Cal/86, 537/Cal/86.

Desai, M. H.—195/Bom/86.

Didier-Werke A.G.—520/Cal/86.

Dorr Oliver Incorporated.—668/Del/86.

Dow Chemical Company, The.—508/Mas/86, 509/Mas/86,
610/Mas/86, 612/Mas/86.

Ducati Energia S.p.A.—633/Del/86.

Ducellier ET CIE.—586/Del/86, 621/Del/86.

Dynamit Nobel Aktiengesellschaft.—507/Mas/86.

"E"

Eaton Corporation.—503/Cal/86.

Eicher Goodearth Ltd.—661/Del/86.

Elettrochimica Marco Ginatta S.p.A.—549/Mas/86.

Emory University.—509/Cal/86.

Energy Conversion Devices, Inc.—655/Del/86.

English Electric Co. Ltd., The.—630/Del/86.

Enichem S.p.A.—574/Mas/86, 575/Mas/86, 576/Mas/86,
577/Mas/86.

Erblok Associates.—608/Del/86.

Etat Francais.—575/Cal/86.

Etablissement Public De Telediffusion dit "Telediffusion De
France".—575/Cal/86.

Ethicon, Inc.—507/Cal/86.

Exxon Research and Engineering Co.—680/Del/86.

"F"

F. L. Smidth & Co.—522/Mas/86.

Farrel Corporation.—598/Del/86.

Ferodo Limited.—585/Del/86.

Fidia S.p.A.—505/Cal/86.

Fiordiligi S. A.—493/Cal/86.

Firestone Tire & Rubber Company, The.—575/Del/86.

Fives-Cail Babcock.—504/Mas/86.

Founderies Montupet.—489/Cal/86.

Francais, Etat.—575/Cal/86.

Fuller Company.—622/Del/86, 684/Del/86.

"G"

GKN Technology Limited.—576/Del/86.

GTE ATEA.—564/Cal/86.

Gattys Techniques S. A.—555/Cal/86.

Gaz De Grance.—650/Del/86.

General Electric Company.—565/Cal/86.

General Signal Corporation.—652/Del/86.

Name & Appln. No.

Gerin, M.—530/Mas/86.

Gianasekaran, A.—500/Mas/86.

Gon Exchange (India) Ltd.—208/Bom/86, 209/Bom/86.

Goodyear Tire & Rubber Company, The.—583/Del/86,
584/Del/86, 600/Del/86, 641/Del/86, 642/Del/86.

Grabher Indosa-Maschinenbau AG.—506/Cal/86.

Gupta, B. K.—618/Del/86.

Gupta, J.—619/Del/86, 632/Del/86.

Gupta, S. L.—595/Del/86.

"H"

Habley Medical Technology Corporation.—500/Cal/86.

Haver & Boecker.—615/Del/86, 616/Del/86.

Hein, Lehmann AG.—498/Cal/86, 508/Cal/86.

Henkel Kommanditgesellschaft, AUF Aktien.—585/Mas/86.

Hepworth Iron Company Limited, The.—520/Mas/86.

Hindustan Antibiotics Ltd.—210/Bom/86.

Hindustan Lever Ltd.—214/Bom/86.

Hino Jidosha Kogyo Kabushiki Kaisha.—585/Cal/86.

Hitachi Construction Machinery Co., Ltd.—527/Cal/86.

Hoechst Aktiengesellschaft.—522/Cal/86, 526/Cal/86, 582/
Cal/86.Honeywell Inc.—182/Bom/86, 183/Bom/86, 186/Bom/86,
187/Bom/86, 188/Bom/86.Honeywell Information Systems Inc.—181/Bom/86, 184/
Bom/86, 197/Bom/86.

Hoofit, E. V.—502/Cal/86.

Hydrovision Limited.—546/Cal/86.

"I"Imperial Chemical Industries PLC.—602/Del/86, 611/
Del/86.

Indian Telephone Industries Ltd.—512/Mas/86.

Industrial Quimica Del Nalon, S. A.—207/Bom/86.

Institut Elektrosvarki Imeni E. O. Patona Akademii Nauk
Ukrainskoi SSR.—580/Cal/86.

Institut Francais Du Petrole.—608/Mas/86.

International Business Machines Corporation.—596/Mas/86,
597/Mas/86.

International Paint Public Ltd. Co.—594/Del/86.

Interox.—647/Del/86, 648/Del/86.

Ion Exchange (India) Ltd.—194/Bom/86, 208/Bom/86,
209/Bom/86.**"J"**

J. Wagner GMBH.—578/Cal/86.

Jeumont-Schneider.—595/Mas/86.

"K"Kabushiki Kaisha Kobe Seikosho also known as Kobe Steel
Ltd.—544/Mas/86, 545/Mas/86.

Kahn, L. R.—568/Cal/86.

Name & Appln. No.	Name & Appln. No.
<p>Kanor A/S.—593/Del/86. Keelglon Limited.—517/Mas/86. Ketallgesellschaft Aktiengesellschaft.—566/Cal/86. Khanna, N. K.—656/Del/86. Kinetic Engineering Ltd.—212/Bom/86. Kirsch, A.—518/Mas/86. Klockner Humboldt Deutz Aktiengesellschaft.—610/Del/86. Koninklijke Emballage Industrie Van Leer B. V.—516/Cal/86, 517/Cal/86. Korf Engineering GmbH.—491/Cal/86. Kraftwerk Union Aktiengesellschaft.—513/Cal/86, 514/Cal/86, 571/Cal/86. Krishna Fabrications Private Limited.—563/Mas/86. Krone, GmbH.—499/Cal/86. Kwik Products International Corp.—624/Del/86.</p>	<p>National Research Development Corporation.—653/Del/86. National Research Development Corporation of India.—678/Del/86. Nauchno Izsledovatelski Institute Po Cherna Metalurgia.—535/Mas/86. Navayug Industrials.—213/Bom/86. Nayak, U. V.—528/Mas/86. Newman, W. J.—572/Cal/86. New Zealand Steel Ltd.—557/Cal/86. Nikam, L. S.—183/Bom/86. Nilsson, L.—597/Del/86, 601/Del/86. Nippon Kokan Kabushiki Kisha.—549/Cal/86. Nippon Steel Corporation.—634/Del/86. Norddeutsche Schleifmittel Industrie Christiansen & Co. (GmbH & Co.)—539/Mas/86. Norsk Hydro A. S.—686/Del/86. Norton Company.—579/Cal/86.</p>
“L”	“O”
<p>L' Air liquide, Societe Anonyme Pour L' Etude Et L' Exploitations des Procedes Georges Claude.—620/Del/86. L. G. Balakrishna & Bros. Ltd.—567/Mas/86, 568/Mas/86. Les Entreprises Tritton Ltee.—511/Cal/86 535/Cal/86. Lubrigal Corporation, The.—501/Cal/86. Lubrizol Corporation, The.—607/Del/86, 679/Del/86, 682/Del/86. Lucas Industries Public Limited Company.—513/Mas/86, 514/Mas/86, 572/Mas/86.</p>	<p>Obero, Y.—574/Del/86. Olajipari Fovallalkozo Es Tervezo Vallalat.—560/Cal/86. Orbital Engine Company Proprietary Ltd.—644/Del/86, 646/Del/86. Orszagos Tanszergyarto Es Ertekesito Vallalat.—540/Cal/86. Owens-Illinois, Inc.—526/Mas/86.</p>
“M”	“P”
<p>M. W. Kellogg Co., The.—649/Del/86. Magnet Marally S.p.A.—566/Mas/86. Man Gutenoffnungshutte GMBH.—524/Mas/86. Maschinenfabrik Rieter AG.—557/Mas/86. Meridian Surgical Industries, Pvt. Ltd.—201/Bom/86. Metacon AG.—547/Cal/86. Metallgesellschaft Aktiengesellschaft.—530/Cal/86, 557/Cal/86, 584/Cal/86, 566/Cal/86. Metallurgical & Engineering Consultants (India) Limited.—512/Cal/86, 551/Cal/86. Metkon S. A.—548/Mas/86. Mineral Process Licensing Corporation B. V.—583/Mas/86. Minnesota Mining and Manufacturing Company.—584/Mas/86. Modern Balance Works.—643/Del/86. Mull, V.—625/Del/86, 626/Del/86. Muthu, T. T.—571/Mas/86. Mysore Electrical Industries Limited, The.—581/Mas/86.</p>	<p>Pal, I. (Mrs.).—525/Cal/86. Palmer, R. L.—699/Del/86. Pandrol Limited.—669/Del/86. Personal Products Company.—494/Cal/86. Pfizer Corporation.—651/Del/86. Philop Morris Incorporated.—519/Mas/86. Piaggio & C.S.p.A.—596/Del/86, 657/Del/86, 658/Del/86. Plessey Overseas Limited.—559/Mas/86, 560/Mas/86, 561/Mas/86, 565/Mas/86. Polyolefins Industries Limited.—203/Bom/86. Portals Engineering Limited.—510/Mas/86. Prakash, R.—613/Del/86. Premavathy, N.—558/Mas/86. Proizvodstvenoe Obiedinenie “Nevsky Zavod” Imeni V. I. Lenina.—553/Cal/86. Projects & Development India Limited.—529/Cal/86.</p>
“N”	“Q”
<p>NRM Corporation.—695/Del/86. Nagesh, K.—521/Mas/86. Narayana, K.—551/Mas/86.</p>	<p>Qualter Hall & Company Limited.—511/Mas/86.</p>
	“R”
	<p>RIB LOC (AUST). Pty. Ltd.—552/Mas/86, 553/Mas/86, 554/Mas/86, 555/Mas/86. Ramachandran, S. (Dr.).—606/Mas/86. Raychem Corporation.—533/Mas/86, 564/Mas/86. Redmond, S.—617/Del/86. Repligen Corporation.—531/Mas/86, 532/Mas/86. Rinefas Ltd.—685/Del/86. Rockwell International Corporation.—694/Del/86.</p>

<i>Name & Appln. No.</i>	<i>Name & Appln. No.</i>
"S"	"T"
S. A. Constructions. Ferroviaires Et Metalliques.—639/Del/86.	TRW Ehrenreich GmbH & Co. KG.—206/Bom/86.
SAB Nife AB.—599/Del/86.	Tata Engineering & Locomotive Company Limited.—205/Bom/86.
SAFI.—690/Del/86, 691/Del/86.	Technicon Instruments Corporation.—687/Del/86.
SAMIN Societe Azionaria Minerio-Matallurgica S.p.A.—580/Mas/86.	Technology Corporation.—500/Cal/86.
Salk Institute For Biological Studies, The.—593/Mas/86.	Teikoku Hormone Mfg. Co. Ltd.—537/Mas/86.
Santa Barbara Research Centre.—684/Del/86.	Thirupathy, V. V. T.—506/Mas/86.
Savyon Diagnostics Ltd.—581/Cal/86.	Thomas, K. T.—607/Mas/86.
Schlumberger Limited.—594/Mas/86.	Tischer, M. A. (Dr).—519/Cal/86.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—562/Mas/86, 598/Mas/86.	Trutzschler GmbH & Co. KG.—518/Cal/86, 576/Cal/86.
Searle (India) Ltd.—204/Bom/86.	Tsentrally Nauchno-Issledovatel'sky Institut Po Proizvodstvu I Pererabotke Natural'nogo Shelka.—541/Cal/86.
Secretary of State for Trade and Industry in her Britannic Majesty's Government of the United Kingdom and Northern Ireland, The.—578/Del/86.	"U"
Seshadri, K.—569/Mas/86.	UOP Inc.—582/Del/86, 692/Del/86.
Seth, S. P.—581/Del/86.	Uhde GmbH.—609/Mas/86.
Shah, M. R.—211/Bom/86.	Ultimate Survivor of America, Inc.—548/Cal/86.
Shell Internationale Research Maatschappij B. V.—573/Mas/86, 600/Mas/86, 601/Mas/86, 602/Mas/86, 693/Del/86.	Undertakings of Britannia Engineering Company Limited, The.—550/Cal/86.
Siemens Aktiengesellschaft.—534/Cal/85, 539/Cal/86, 558/Cal/86, 559/Cal/86, 583/Cal/86.	Uniroyal Power Transmission Co. Inc.—659/Del/86.
Singh, M. P.—697/Del/86, 698/Del/86.	University of Pittsburgh.—552/Cal/86.
Sivaprasad, P. (Dr).—570/Mas/86, 590/Mas/85, 591/Mas/86.	"V"
Snamproggetti, S.p.A.—503/Mas/86.	Velcro Industries B. V.—603/Mas/86.
Sobrevin Societe de Brevets Industriels-Etablissement Altenbach.—599/Mas/86.	Vetco Offshore Industries, Inc.—533/Cal/86.
Societe Anonyme Pour L' Etude Et L' Exploitation Des Procèdes Georges Claude.—620/Del/86.	Vetrotex Saint-Gobain.—532/Cal/86.
Societe D' Etudes Scientifiques Et Industrielles De L'ile-de-France.—540/Mas/86.	Voest-Alpine Aktiengesellschaft.—491/Cal/86.
Societe D' Exploitation des Procèdes Marechal (SEPM).—614/Del/86.	Vora, H. S.—192/Bom/86.
Societe des Produits Nestle S.A.—527/Mas/86, 538/Mas/86, 586/Mas/86, 614/Mas/86.	Vsesojuzny Nauchno-Issledovatel'sky Proektiro-Konstruktorsky I Tekhnologicheskyy Institut Elektromekhanicheskogo Oborudovaniya (Vnileto).—521/Cal/86, 554/Cal/86.
Societe Francaise D' Organo Synthese (S.F.O.S.).—529/Mas/86.	Vickers, Incorporated.—569/Cal/86.
Solanki, A. M.—190/Bom/86, 191/Bom/86.	"W"
Solomon, D.—543/Cal/86.	W. Haking Enterprises Limited.—562/Cal/86, 563/Cal/86.
Solvay & Cie.—579/Del/86.	WST Warmespeichertechnologie S. A.—645/Del/85.
South India Textile Research Association, The.—616/Mas/86.	Wagner International AG.—578/Cal/86.
Splendour Presentations.—612/Del/86.	Warman International Limited.—544/Cal/86.
Siamicarbon, B. V.—501/Mas/85, 502/Mas/86, 505/Mas/86, 534/Mas/86.	Wesman Engg. Co. P. Ltd., The.—495/Cal/86.
Standard Oil Company, The.—640/Del/86.	Westinghouse Electric Corporation.—496/Cal/86, 497/Cal/86, 515/Cal/86, 542/Cal/86.
Stoping Aktiengesellschaft.—577/Cal/86.	Worl-Tech Limited.—592/Mas/86.
Sumitomo Metal Industries Ltd.—605/Mas/86.	"Y"
Sun Chemical Corporation.—515/Mas/86.	Y. S. Securities Limited.—523/Cal/86, 524/Cal/86.
Swastic Rubber Products Limited.—198/Bom/86.	Yankoff, G. K.—577/Del/86.

R. A. ACHARYA
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and Trade Marks.